

**Example 2:** Expand and Simplify.

a)  $(3x + 7)^2$

b)  $(4k - 3m)^2$

**Example 3:** (Polynomials with more than one variable)

a)  $(2r + 5t)^2$

b)  $(3x - 2y)(4x - 3y + 5)$

☺ \*  $4r^2 + 20rt + 25t^2$

☺  $12x^2 + 15x - 17xy - 10 + 6y^2$

**Example 4:** (Simplifying Sums and Differences of Polynomial Products)

a)  $(2c - 3)(c + 5) + 3(c - 3)(-3c + 1)$

b)  $(3x + y - 1)(2x - 4) - (3x + 2y)^2$